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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 11

| | |
|------------------------|---------------------------|
| Application Number | 09/747,391 |
| Filing Date | December 20, 2000 |
| First Named Inventor | Chow, Robert |
| Art Unit | 1634 |
| Examiner Name | Einsmann, Juliet Caroline |
| Attorney Docket Number | 020035-000210US |

ENCLOSURES (Check all that apply)

| | | |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) Return Postcard; Fee Trans. SB/17 (1 pg., 2 copies); Notice of Appeal SB/31 (1 pg., 2 copies); Amendment Under 37 CFR 1.116 (7 pgs.). |
|---|--|---|

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | |
|--------------------|------------------------------------|-----------------|
| Firm or Individual | Townsend and Townsend and Crew LLP | Reg. No. 51,868 |
| Signature | | |
| Date | 04/29/2003 | |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Dana AF, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date: 04/29/2003.

| | | |
|------------------|-----------|-----------------|
| Typed or printed | Dana Kane | |
| Signature | | Date 04/29/2003 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

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Approved for use through 04/30/2003 OMB 0651-0032
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE
Complete if Known

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003 Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 202

Application Number 09/747,391
Filing Date December 20, 2000
First Named Inventor Chow, Robert
Examiner Name Einsmann, Juliet Caroline
Art Unit 1634
Attorney Docket No 020035-000210US

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|--------------|--------------|---------------|---------------|------------------------|----------|
| 1001 | 750 | 2001 | 375 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 520 | 2003 | 260 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 180 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | \$ |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fees from below | Fee Paid |
|--------------------|--------------|-----------------|----------|
| 10 | -21** = 0 | \$9 | \$0 |
| Independent Claims | 4 | -3** = 1 | \$42 |
| Multiple Dependent | | X | |

| Large Entity | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|--------------|--------------|---------------|---------------|--|----------|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 | |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid | |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | \$42 |

**or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

| Large | Entity | Small | Entity | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|-------|--------|-------|--------|---------------|---------------|--|----------|
| 1051 | 130 | 2051 | 65 | | | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | | | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | | | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | | | For filing a request for reexamination | |
| 1804 | 920* | 1804 | 920* | | | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | | | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | | | Extension for reply within first month | |
| 1252 | 410 | 2252 | 205 | | | Extension for reply within second month | |
| 1253 | 930 | 2253 | 465 | | | Extension for reply within third month | |
| 1254 | 1,450 | 2254 | 725 | | | Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 | 985 | | | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | | | Notice of Appeal | 160 |
| 1402 | 320 | 2402 | 160 | | | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | | | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | | | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | | | Petition to revive - unavoidable | |
| 1453 | 1,300 | 2453 | 650 | | | Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 | 650 | | | Utility issue fee (or reissue) | |
| 1502 | 470 | 2502 | 235 | | | Design issue fee | |
| 1503 | 630 | 2503 | 315 | | | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | | | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | | | Petitions related to provisional applications | |
| 1806 | 180 | 1806 | 180 | | | Submission of Information Disclosure Sheet | |
| 8021 | 40 | 8021 | 40 | | | Recording each patent assignment per property times number of properties | |
| 1809 | 750 | 2809 | 375 | | | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 750 | 2810 | 375 | | | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 750 | 2801 | 375 | | | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | | | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$160)

SUBMITTED BY

Name (Print/Type) Beth L. Kelly

Registration No. (Attorney/Agent) 51,868

Signature

Telephone 415-576-0200

Date 04/29/2003

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



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P. O. Box 1450, Alexandria, VA 22313-1450

On

April 29 2003

TOWNSEND and TOWNSEND and CREW LLP

By

[Signature]

AMENDMENT UNDER 37 CFR 1.116
EXPEDITED PROCEDURE -
EXAMINING GROUP 1634

Attorney Docket No.: 020035-000210US

**PATENT
RECEIVED**

MAY 09 2003

TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHOW and TONAI

Application No.: 09/747,391

Filed: December 20, 2000

For: HIGH THROUGHPUT METHODS
OF HLA TYPING

Examiner: Einsmann, Juliet Caroline

AMENDMENT UNDER 37 CFR 1.116
EXPEDITED PROCEDURE EXAMINING
GROUP 1634

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Final Office Action mailed January 29, 2003, please amend this application as follows. The amendments are provided in the format described in AMENDMENTS IN A REVISED FORMAT NOW PERMITTED announcement from the USPTO, signed January 31, 2003.

Amendments to the Claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks begin on page 5 of this paper.

05/07/2003 JAB001 00000105 201430 09747391

02 FC:2201 42.00 CH